

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,157,983 B2  
APPLICATION NO. : 10/803480  
DATED : January 2, 2007  
INVENTOR(S) : Masako Tanaka

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title Page, item 56 References  
Cited, Other Publications

"January 200" should be --January 2001--

Col. 6, Line 57, Equation 3

" $\Phi^{3+0.1106}$ " should be -- $\Phi^3+0.1106$ --

Col. 6, Line 60, Equation 4

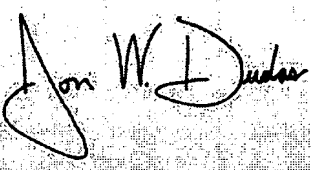
" $\Phi^{3+0.1106}$ " should be -- $\Phi^3+0.1106$ --

Col. 7, Line 26

"an" should be --a--

Signed and Sealed this

Seventeenth Day of April, 2007

A handwritten signature in black ink, appearing to read "Jon W. Dudas", is written over a faint, rectangular, textured background.

JON W. DUDAS  
*Director of the United States Patent and Trademark Office*